

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A portable electronic device, comprising:
a speaker connected to a first sound signal source;
a receiver for sound reproduction, where the receiver is connected to a second sound signal source, the speaker and the receiver sharing a back volume space within the portable electronic device; and

a control unit to:

actively damp the receiver while the speaker is active by controlling voltage or current applied to the receiver such that movement of a membrane of the receiver is suppressed to actively reduce acoustic leakage from the receiver when the speaker is active.

2. (previously presented) The device of claim 1, where said control unit controls switching between speaker mode and sound receiver mode.

3. (canceled)

4. (previously presented) The device of claim 1, where the device includes a cellular phone, a smart phone or a communicator.

5. (currently amended) A method for sound reproduction for a portable electronic device including a speaker and a receiver for sound reproduction, comprising:
providing sound reproduction via the speaker and the receiver, the speaker and the receiver being connected to different sound signal sources, the receiver and the speaker sharing a back volume, and
actively damping the receiver while the speaker is active, where the actively damping the receiver comprises:

controlling voltage or current applied to the receiver to suppress movement of a membrane of the receiver in order to reduce leakage from the receiver when the speaker is active.

6. (canceled)

7. (previously presented) The method of claim 5, further comprising:
switching between speaker mode and sound receiver mode to damp the receiver while the speaker is active.

8. (previously presented) The device of claim 2, where the device includes a cellular phone, a smart phone or a communicator.

9. (previously presented) The method of claim 5, where the portable electronic device includes a cellular phone, a smart phone or a communicator.

10. (previously presented) The method of claim 5, further comprising:

switching between speaker mode and sound receiver mode to damp the receiver while the speaker is active.

11. (previously presented) The device of claim 12, where the control unit constrains a diaphragm of the receiver to a fixed position to actively damp the receiver.

12. (previously presented) A portable electronic device, comprising:
a speaker that is connected to a first sound signal source;
a receiver for sound reproduction, where the receiver is connected to a second sound signal source, the speaker and the receiver sharing a back volume space within the portable electronic device; and

a control unit to:

actively damp the receiver while the speaker is active, where, when actively damping the receiver, the control unit suppresses movement of a membrane of the receiver.

13. (previously presented) The method of claim 14, where the actively damping the receiver comprises:
constraining a diaphragm of the receiver to a fixed position.

14. (currently amended) A method for sound reproduction for a portable electronic device including a speaker and a receiver for sound reproduction, comprising:

providing sound reproduction via the speaker and the receiver, the receiver and the speaker sharing a back volume, the receiver and the speaker being connected to separate and distinct sound signal sources, and actively damping the receiver while the speaker is active, where the actively damping the receiver comprises:

suppressing movement of a membrane of the receiver.

15. (currently amended) A device, comprising:

a first speaker, connected to a first sound signal source, to output sound indicating that an incoming communication has been received;

a second speaker, connected to a second sound signal source, to output sound associated with use of the device, the first and second speakers sharing an enclosure within the device; and

a control unit to:

actively damp the second speaker while the first speaker is active, where, when actively damping the second speaker, the control unit controls voltage or current applied to the second speaker to suppress movement of a membrane of the second speaker to actively reduce acoustic leakage from the second speaker.

16. (previously presented) The device of claim 17, where, when actively damping the second speaker, the control unit controls a diaphragm of the second speaker to a fixed position.

17. (currently amended) A device, comprising:

a first speaker, connected to a first sound signal source, to output sound indicating that an incoming communication has been received;

a second speaker, connected to a second sound signal source, to output sound associated with use of the device, the first and second speakers sharing an enclosure within the device; and

a control unit to:

actively damp the second speaker while the first speaker is active, where, when actively damping the second speaker, the control unit controls a current or voltage supplied to the second speaker such that movement of a membrane of the second speaker is suppressed when the first speaker is active.

18. (previously presented) The device of claim 15, where the control unit is further to:

switch between a first mode when an incoming communication is received and a second mode when no incoming communication is being received.

19. (previously presented) The device of claim 18, where, when in the second mode, the control unit does not damp the second speaker.

20. (previously presented) The device of claim 15, where the device includes a cellular phone or a mobile communicator.